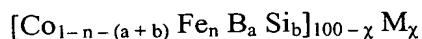


What is claimed is:

1. A soft magnetic Co-based metallic glass alloy with high glass forming ability, which has a supercooled-liquid temperature interval (ΔT_g) of 40 K or more, a reduced glass-transition temperature (T_g / T_m) of 0.59 or more and a coercive force of 2.0 A/m or less, said metallic glass alloy being represented by the following composition formula:



, wherein each of a, b and n represents an atomic ratio satisfying the following relations: $0.1 \leq a \leq 0.17$; $0.06 \leq b \leq 0.15$; $0.18 \leq a + b \leq 0.3$; and $0 \leq n \leq 0.08$,

10 M represents one or more elements selected from the group consisting of Zr, Nb, Ta, Hf, Mo, Ti, V, Cr, Pd and W, and

χ satisfies the following relation: $3 \text{ atomic\%} \leq \chi \leq 10 \text{ atomic\%}$.

2. The soft magnetic Co-based metallic glass alloy as defined in claim 1, which contains 3
15 atomic% or less of one or more elements selected from the group consisting of P, C, Ga and Ge.